

UNIVERSITY OF EDUCATION, WINNEBA
FACULTY OF SCIENCE
DEPARTMENT OF HOME ECONOMICS EDUCATION

COURSE TITLE : CLOTHING DESIGN ENGINEERING
COURSE CODE : FAT 431
CREDIT : 2 YEAR 2003/2004
LECTURER : MR. STEPHEN ADAMTEY

COURSE OUTLINE

OBJECTIVES

To enhance the understanding of the fit, construction and manufacture of certain selected areas of garment development.

To enhance and evaluate new technologies in aspect of fabric development, ergonomics, pattern technology and garment manufacture.

TEACHING METHODS

Variety of teaching methods may be adepted. These include lectures, seminar, investigation/research and project.

ASSESSMENT

Integrated assignment	-	20%
Project	-	20%
End of Semester Examination	-	60%
TOTAL	=	100%

REFERENCE

Helen Stanley 1993. Flat Pattern Cutting and Modeling for Fashion 3rd Ed. Stanley Thornes Ltd.

Doreen Yarwood 1988: The Encyclopedia of World Costume. T. Batsford Ltd.

R. Tumer Wileox 1992: The Dictionary of Costume B. T. Batsford Ltd.

Singer; 1995: 101 Sewing Secrets. Cy De Coss Incorporated. Minnetonka, Mainnesota.

Patrick John Ireland; 1992 Introduction to Fashion Design B. T. Batsford Ltd.

Norman R. Hollen: 1975. pattern Making/ by flat pattern method Burgess Publishing Company .

Dorling Kindersley 1975, Basic Sewing.

Martin Shoben and Janet P. Ward; 1987. Pattern Cutting and making up. Heinenman Professional Publishing.

Panela Strnger 1993: Pattern drafting for Dressmaking B. T. Batsford Ltd.

Aldrich W. 1993: Technology of Textiles Properties 3rd Ed. Forbes Publication.

Miller E. 1995: Textiles Properties and Behaviour in clothing use. B. T. Batsford London.

Corbman 1983: Textiles Fibers to Fabrics 6th Ed. McGraw-Hill Book Company.

COURSE OUTLINE

WEEKS	TOPIC	CONTENT	ACTIVITY	REMARKS
2 nd	Introduction to Design Engineering	Aesthetic, Performance and cost factors in clothing designing	Discuss the factors that influence the individual for their choice of clothes	
3 rd	Research	Fabrication, Style/design fit, colour and cost. Other sewing materials.	Students to carry out a research on clothes used by groups and individuals, as out lined in the assignment Brief (Page 3)	
4 th	Designing	The Application of Element and Principles of Designing in garment Production.	Students to design the clothes in the assignment brief and write detailed specification.	
5 th	Market Screening	Market Segment Identification of Area share, characteristics outlet of Product.	Prepare a questionnaire to carry out an interview for specific design clothes.	
6 th	Prototype/Sample	Presentation of Prototype garment	Seminar on presentation of prototype/Sample garment to panel for discussion.	
7 th	Manufacturing Process	Planning spreading/cutting Production Systems	Students to study the production systems operating in the Kumasi metropolitan area.	
8 th	Management of Design Process	Role of Management of organization in Design Engineering		
9-13	PROJECT		Students work on their project Reference to Assignment Brief.	

14	REVISION		
15/16	ASSESSMENT		

FAT 431:

TITLE : CLOTHING DESIGN ENGINEERING

PROJECT

You have been given the opportunity to participate in a fashion show and exhibition organized by a reputable clothing firm. The company wishes to select quality clothes for their retail outlets.

The clothing items have been categorized as follows:

1. Company Management Staff – GCB, SSB, GCMB
2. Service Uniforms – Fire, Police, CEPS, Army, Air force, Navy,
3. Company Staff – Electricity, GWSC, Petroleum products Nurses, Teachers and Ministries.
4. Workers Uniforms – Mines, GPRTU, University Labourers
5. Wardrobe for Bridal Crew
6. Family Wardrobe for an outdooring of a 2nd Born
7. 10th Wedding anniversary celebration.
8. Special Sports Wear (2)

Each student will produce two outfits, chosen one each from categories A, B, C, and D.

A = 1 and 8

B = 2 and 6

C = 3 and 5

D = 4 and 7

The completed garments must be presented on hangers, well labeled with Names and index Numbers.

Each student will present an A4 folder, which content will

- (a) Describe how the design process has been put into operation.
- (b) Show challenges during the operation and innovative practices.
- (c) Photographs of self poses at least showing the front and back of the design.